

Notice of Allowability

Application No.

10/064,865

Applicant(s)

HO, JIMMY CHI-FONG

Examiner

Wesley L Kim

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/28/05.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☒ The drawings filed on 26 August 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-5 are allowed.

The following is an examiner's statement of reasons for allowance:

Independent claim 1 establishes transmitting a START value from the mobile unit to the UTRAN; the UTRAN sending the control command to the mobile unit, and setting the x most significant bits of the second integrity count value equal to the START value; and setting the x most significant bits of the first integrity count value of the mobile unit equal to the START value last transmitted to the UTRAN in response to receiving the control command for verifying a transmission integrity between the mobile unit and the UTRAN. This limitation is neither disclosed nor suggested in the prior art of record or newly cited references of Valen et al (U.S. Pub. 2002/0044552 A1), Wen (U.S. Patent 5457737), and Vanderveen (U.S. Pub. 2002/0197979 A1).

Valen et al discloses an integrity key (Par.5:8, secret key); at least a mobile unit comprising a first integrity count value (Par.6:3-4, message authentication value of transmitting party), the first integrity count value consisting of a predetermined bit length (Par.5:1-2, message authentication codes are short string of bits); at least a universal terrestrial radio access network (Fig.1:4). (UTRAN) comprising a second integrity count value (Par.6:7-8, message authentication value of receiving party), the second integrity count value consisting of the predetermined bit length (Par.5:1-2, message

authentication codes are short string of bits), the UTRAN coupled to the mobile unit for transmitting a control command to the mobile unit (Par.2;6-9), the control command used for starting an integrity protection process for the radio bearer (Par.1), the integrity protection process using the integrity key and the first and second integrity count values for verifying a transmission integrity between the mobile unit and the UTRAN (Par.6). However there is no mention of transmitting a START value from the mobile unit to the UTRAN; the UTRAN sending the control command to the mobile unit, and setting the x most significant bits of the second integrity count value equal to the START value; and setting the x most significant bits of the first integrity count value of the mobile unit equal to the START value last transmitted to the UTRAN in response to receiving the control command.

Wen and Vanderveen both discloses of a method to verify the identity of a mobile phone user however, there is no mention of transmitting a START value from the mobile unit to the UTRAN; the UTRAN sending the control command to the mobile unit, and setting the x most significant bits of the second integrity count value equal to the START value; and setting the x most significant bits of the first integrity count value of the mobile unit equal to the START value last transmitted to the UTRAN in response to receiving the control command.

Claims 2-5, are allowed as being dependent on the independent claim 1.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wesley L Kim whose telephone number is 571-272-7867. The examiner can normally be reached on Monday-Friday 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WLK


WILLIAM TROST
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